

Join us on the second Thursday of every month for a series of "brown bag" seminars sponsored by the National Renewable Energy Laboratory and the U.S. Department of Energy. Each seminar is held at NREL's Washington offices with a video-conference link to Golden, Colorado. Topics focus on new and innovative renewable energy and energy analysis strategies, models, and technologies.



# Energy Analysis Seminar Series

*A "brown bag" analytical seminar series*

## **Future Oil and Gas Resources of the World: A Coming Supply Crisis?**

Thomas S. Ahlbrandt  
U.S. Geological Survey  
Thursday, July 11  
Noon–1 p.m.

Is the world running out of oil? Where will future oil and gas supplies come from? To help answer these questions, the U.S. Geological Survey (USGS) completed in 2000 a new assessment of the undiscovered conventional oil and gas resources and potential additions to reserves from field growth. One hundred and twenty-eight provinces were assessed in a 100 man-year effort from 1995–2000. The assessed provinces included 76 priority provinces containing 95 percent of the world's discovered oil and gas and an additional 52 "boutique" provinces, many of which may be highly prospective. The assessment process coupled geologic analysis with a probabilistic methodology to estimate remaining potential. The results are intriguing. For instance: Half of the world's undiscovered potential is offshore; and arctic basins with about 25 percent of undiscovered petroleum resources make up the next great frontier. This seminar will discuss a coal bridge-to-the-future model, a realistic view of nonrenewable resources in the future, and other findings from the USGS analysis.

**Thomas Ahlbrandt** received his Ph.D. in geology at the University of Wyoming in 1973. He has 19 years of industry experience in exploration and research with Exxon, Amoco, Amerada, and independents. He currently is the World Energy Project chief for the U.S. Geological Survey in Denver where he manages a group of 41 employees. Mr. Ahlbrandt also served on the Executive Committee of AAPG, and currently serves on the U.S. Committee for World Petroleum Congresses and the United Nations Task Force for the International Framework Classification of Petroleum Reserves and Resources.



370 L' Enfant Promenade is located adjacent to the Forrestal building at 901 D Street SW in downtown Washington (Aerospace Building). Please contact Wanda Addison at NREL at 202-646-5278 or [wanda\\_addison@nrel.gov](mailto:wanda_addison@nrel.gov)

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